

Title (en)
SYSTEM AND METHOD FOR ACQUIRING PATIENT PHYSIOLOGICAL INFORMATION DURING AN MRI SCAN

Title (de)
SYSTEM UND VERFAHREN ZUR ERFASSUNG PHYSIOLOGISCHER PATIENTENINFORMATIONEN WÄHREND EINER MRT-ABTASTUNG

Title (fr)
SYSTÈME ET PROCÉDÉ PERMETTANT D'ACQUÉRIR DES INFORMATIONS PHYSIOLOGIQUES RELATIVES À UN PATIENT AU COURS D'UN EXAMEN IRM

Publication
EP 2699158 A4 20141015 (EN)

Application
EP 12774696 A 20120417

Priority

- US 201161477528 P 20110420
- US 201161478281 P 20110422
- US 2012033883 W 20120417

Abstract (en)
[origin: WO2012145285A1] A system and method for monitoring patient physiological information during an MRI scan sequence is provided. The system includes a monitoring device configured to sense physiological information from a patient. The physiological information may include electrocardiograph signals, electro-anatomical mapping signals, or other information concerning a physiological condition of the patient. The system further includes a control circuit connected to receive signals from the monitoring device and to coordinate output of the electrode during an MRI scan.

IPC 8 full level
A61B 5/055 (2006.01); **A61B 5/00** (2006.01); **A61B 5/0402** (2006.01); **A61B 5/0408** (2006.01); **A61B 5/05** (2006.01); **A61B 5/06** (2006.01); **G01R 33/28** (2006.01); **G01R 33/567** (2006.01)

CPC (source: EP US)
A61B 5/055 (2013.01 - EP US); **A61B 5/25** (2021.01 - US); **A61B 5/318** (2021.01 - EP US); **A61B 5/7217** (2013.01 - EP US); **A61B 5/7285** (2013.01 - EP US); **A61B 5/7289** (2013.01 - EP US); **G01R 33/5673** (2013.01 - EP US); **A61B 5/061** (2013.01 - EP US); **G01R 33/285** (2013.01 - EP US)

Citation (search report)

- [X1] WO 03100450 A1 20031204 - ANAMI KIMITAKA [JP], et al
- [X1] WO 2007073576 A1 20070705 - BRAIN RES INST PTY LTD [AU], et al
- [X1] LAUFS H ET AL: "Recent advances in recording electrophysiological data simultaneously with magnetic resonance imaging", NEUROIMAGE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 40, no. 2, 1 April 2008 (2008-04-01), pages 515 - 528, XP025924244, ISSN: 1053-8119, [retrieved on 20080116], DOI: 10.1016/J.NEUROIMAGE.2007.11.039
- [X1] ANAMI K ET AL: "Stepping stone sampling for retrieving artifact-free electroencephalogram during functional magnetic resonance imaging", NEUROIMAGE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 19, no. 2, Pt 1, 1 June 2003 (2003-06-01), pages 281 - 295, XP002250227, ISSN: 1053-8119, DOI: 10.1016/S1053-8119(03)00048-X
- See references of WO 2012145285A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012145285 A1 20121026; EP 2699158 A1 20140226; EP 2699158 A4 20141015; JP 2014512228 A 20140522; JP 6082924 B2 20170222; US 10463268 B2 20191105; US 2014171783 A1 20140619

DOCDB simple family (application)
US 2012033883 W 20120417; EP 12774696 A 20120417; JP 2014506477 A 20120417; US 201214110967 A 20120417